We claim:

A method for reducing cardiac dysfunctions in a human in need thereof, the method comprising administering to the human an effective amount of a selective histamine H₃ receptor agonist.

- 2. The method according to claim 1, wherein the cardiac dysfunction is associated with myocardial ischemia or myocardial infarction.
- 3. The method according to claim 1, wherein the cardiac dysfunction is arrhythmia, fibrillation, platelet activation and aggregation, thrombus formation, coronary spasm, sudden cardiac death or cardiac failure.
- 4. The method according to claim 1, wherein the selective histamine H_3 receptor agonist is $R-(\alpha)$ -methylhistamine, imetit, immepip, immepyr, 4-(1H-4-imidazolylmethylene)1-methylpiperidine, S- α -chloromethylhistamine, cyclopropylhistamine, SKF 91606, Sch 50971, VUF 4864.
- 5. The method according to claim 1, wherein the selective histamine H₃ receptor agonist is administered after the onset of myocardial ischemia and/or myocardial infarction.
- 6. The method according to claim 1, wherein the selective histamine H₃ receptor agonist does not act on the central nervous system.
- 7. The method according to claim 1, wherein the selective histamine H₃ receptor agonist does not cross the blood brain barrier.
- 8. The method according to claim 1, wherein the histamine H_3 receptor is on a cardiac sympathetic nerve ending.

- The method according to claim 1, wherein the histamine H₃ receptor agonist reduces norepinephrine release from a cardiac sympathetic nerve ending.
- 10. The method according to claim 1, wherein the reduction in norepinephrine release is specifically antagonized by an H₃R antagonist.
- 11. The method according to claim 1, wherein the H₃R antagonist is Thioperamide or Clobenpropit.
- 12. The method according to claim 1, wherein the histamine H₃ receptor agonist inhibits the Na⁺/H⁺ exchanger.
- 13. The method according to claim 12, wherein the histamine H₃ receptor agonist inhibits the Na⁺/H⁺ exchanger on a cardiac sympathetic nerve ending.
- 14. The method according to claim 1, wherein the histamine H₃ receptor agonist modulates the concentration of intracellular sodium.
- 15. The method according to claim 1, wherein the histamine H₃ receptor agonist modulates the concentration of intracellular calcium.
- 16. The method according to claim 15, wherein the histamine H₃ receptor agonist modulates the concentration of intracellular calcium by inhibiting the activity of an N-type Ca²⁺ channel.
- 17. The method according to claim 1, wherein the histamine H₃ receptor agonist is delivered in combination with at least one other agent in the treatment of cardiac dysfunction.

- 18. The method according to claim 17, wherein the other agent is one or more of the following: a β -blocker, a Ca⁺⁺-channel blocker, an anti-arrhythmic, an ACE inhibitor and an angiotensin receptor antagonist.
- 19. A method for inhibiting the Na⁺/H⁺ exchanger in a human having a cardiac dysfunction, the method comprising administering to the human an effective amount of a selective histamine H₃ receptor agonist.
- 20. The method according to claim 19, wherein the cardiac dysfunction is myocardial ischemia or myocardial infarction.
- 21. The method according to claim 19, wherein the cardiac dysfunction is arrhythmia, fibrillation, platelet activation and aggregation, thrombus formation, coronary spasm, sudden cardiac death or cardiac failure.
- 22. The method according to claim 19, wherein the selective histamine H₃ receptor agonist is R-(α)-methylhistamine, imetit, immepip, SKF 91606 or Sch 50971.
- 23. The method according to claim 19, wherein the selective histamine H₃ receptor agonist is administered after the onset of myocardial ischemia and/or myocardial infarction.
- 24. The method according to claim 19, wherein the selective histamine H₃ receptor agonist does not act on the central nervous system.
- 25. The method according to claim 19, wherein the selective histamine H₃ receptor agonist does not cross the blood brain barrier.
- 26. The method according to claim 19, wherein the histamine H₃ receptor is on a cardiac sympathetic nerve ending.

- The method according to claim 19, wherein the histamine H₃ receptor agonist inhibits norepinephrine release from cardiac sympathetic nerve endings.
- 28. The method according to claim 19, wherein the histamine H₃ receptor agonist modulates the concentration of intracellular sodium.
- 29. The method according to claim 19, wherein the histamine H₃ receptor agonist is delivered in combination with at least one other agent in the treatment of cardiac dysfunction.
- 30. The method according to claim 19, wherein the other agent is one or more of the following: a β -blocker, a Ca^{2+} -channel blocker, an anti-arrhythmic, an ACE inhibitor and an angiotensin receptor antagonist.
- 31. A pharmaceutical composition comprising a selective histamine H₃ receptor agonist in a pharmaceutical carrier.
- 32. The pharmaceutical composition according to claim 31, wherein the selective histamine H₃ receptor agonist is R-(α)-methylhistamine, imetit, immepip, immepyr, 4-(1H-4-imidazolylmethylene)1-methylpiperidine, S-α-chloromethylhistamine, cyclopropyl-histamine, SKF 91606, Sch 50971, VUF 4864.